

carboncalcpcf.com

Product Carbon Footprint Dashboard

Product: guqwjeutgp

Total PCF: 118.47 kg CO₂e

Standard: GHG Protocol

Prod. Country: China

Total Footprint

118.47

kg CO₂e / unit

Carbon Intensity

118.47

kg CO₂e per unit

Top Material Hotspot

Raw Material A

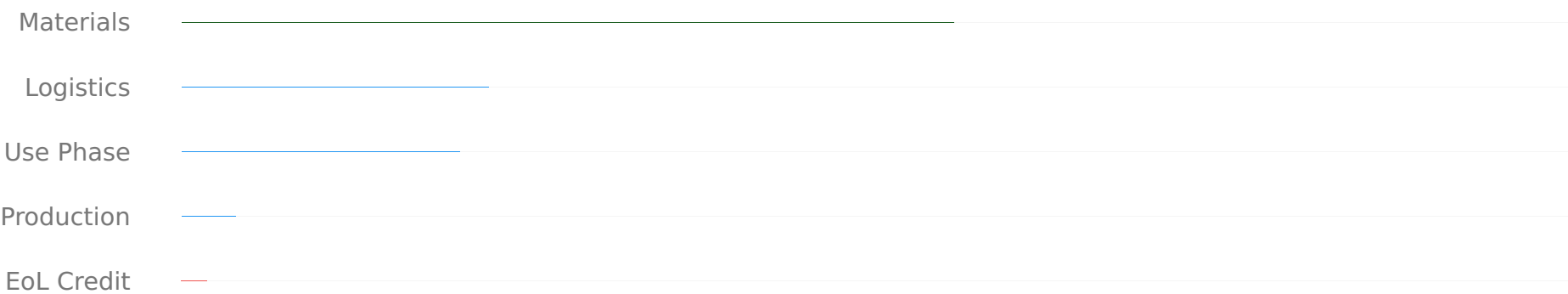
25.00 kg CO₂e

Primary Emission Scope

Scope 3

113.85 kg CO₂e (96.1%)

Lifecycle Stage Breakdown



kg

CO₂e

Action Plan: Reduce Your Footprint

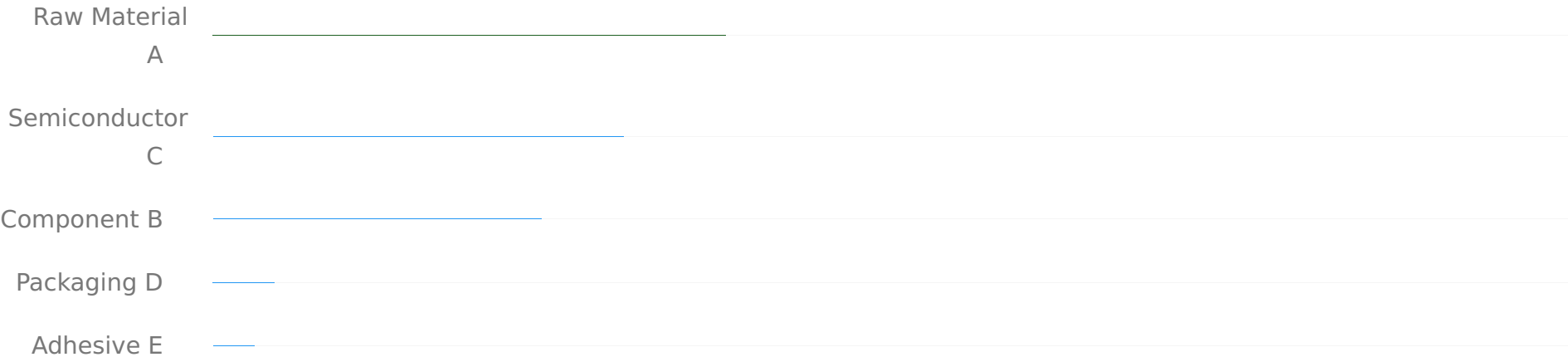
Optimize Material Choices: Investigate and prioritize sourcing of low-carbon materials, recycled content, or materials with robust certifications to reduce the significant upstream impacts.

Enhance Product Energy Efficiency: Implement design improvements to minimize energy consumption during the product's lifespan, directly addressing the substantial use phase emissions.

Streamline Logistics & Transport: Explore opportunities to shorten supply chain distances, consolidate shipments, and utilize lower-emission transport modes for both inbound and outbound logistics.

Increase Renewable Energy in Production: Aim to increase the percentage of renewable energy used in the manufacturing facilities to further diminish Scope 2 emissions.

Material Carbon Impact



Key Highlights

Material Sourcing Dominates: Purchased goods and services, particularly raw materials, account for the largest share of the product's carbon footprint (66.00 kg CO₂e, ~56% of total PCF).

Significant Use Phase Impact: The energy consumed during the product's use phase is the second most substantial contributor (23.80 kg CO₂e, ~20%), indicating potential for energy-efficient design.

End-of-Life Benefits: The product benefits from a net carbon credit (-2.20 kg CO₂e) due to a high recyclability percentage, highlighting the positive impact of circular economy initiatives.

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